

عنوان مقاله:

Investigation of the possibility of silver recovery in the ethylene oxide catalyst for reuse in catalyst preparation

محل انتشار:

بیستمین سمینار شیمی معدنی ایران (سال: 1397)

تعداد صفحات اصل مقاله: 1

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خلاصه مقاله:

Due to The environmental problem of burying spent catalysts , considerations of sustainable development , Economic value and high usage of the noble metals , Recovery of these precious metals from spent catalysts , have attracted a great deal of attention and importance in recent years[1] . In this Research , recovery of the precious metal of silver from Ethylene oxide spent catalyst ($\text{Ag} / \text{Al}_2\text{O}_3$, has been investigated .in the recovery process, silver , in the form of Nitrate solution has been recovered by Nitric Acid as the extractant solvent , and after separating it from the solution and purifying it with recrystallization process , it has been converted to silver oxide (I) by Hydroxide Sodium[2] .Experimental results as well as the measurement of the extracted silver , determined using Atomic Absorption and . XRF method , show the recovered silver with a purity of 99.99%

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

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